

CLAIMS

We claim:

1. A method of operating a thermal management system for thermally managing at least one electronic device, said method comprising the steps of:

providing at least one spray unit and at least one electronic device in opposition to said at least one spray unit;

spraying a fluid from said at least one spray unit towards said at least one electronic device, wherein said dispensed fluid has a spray characteristic; and

adjusting said spray characteristic to control a device temperature of said at least one electronic device.

2. The method of operating a thermal management system of Claim 1, including the step of increasing electrical power to said at least one electronic device if a device temperature of said at least one electronic device is below a desired temperature and decreasing electrical power to said at least one electronic device if a device temperature of said at least one electronic device is above a desired temperature.

3. The method of operating a thermal management system of Claim 1, wherein said fluid is comprised of a dielectric fluid.

4. The method of operating a thermal management system of Claim 1, wherein said fluid is comprised of a non-dielectric fluid.

5. A method of operating a thermal management system for thermally managing at least one electronic device, said method comprising the steps of:

1 spraying a fluid from at least one spray unit towards at least one electronic
2 device, wherein said dispensed fluid has a spray characteristic; and

3 adjusting said spray characteristic to control a device temperature of said at
4 least one electronic device.

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6 6. The method of operating a thermal management system of Claim 5,
7 including the step of increasing electrical power to said at least one electronic device if
8 a device temperature of said at least one electronic device is below a desired
9 temperature and decreasing electrical power to said at least one electronic device if a
10 device temperature of said at least one electronic device is above a desired
11 temperature.

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13 7. The method of operating a thermal management system of Claim 5, wherein
14 said fluid is comprised of a dielectric fluid.

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16 8. The method of operating a thermal management system of Claim 5, wherein
17 said fluid is comprised of a non-dielectric fluid.